



DEPARTMENT OF WATER RESOURCES  
EXAMINATION ANNOUNCEMENT



The Department of Water Resources offers Equal Opportunity for all regardless of race, color, creed, national origin, ancestry, sex, marital status, disability, religious or political affiliation, age, or sexual orientation.

It is an objective of the State of California to achieve a drug-free State workplace. Any applicant for State employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service and the special trust placed in public servants.

SUPERVISING LAND SURVEYOR  
OPEN/SPOT FOR SACRAMENTO COUNTY

FINAL FILING DATE	SEPTEMBER 14, 2012
	Application forms (STD 678) must be postmarked or submitted in person no later than the final filing date. Applications postmarked or personally delivered after the final filing date will not be accepted for any reason. <b>FAXED APPLICATIONS WILL NOT BE ACCEPTED.</b>
WHO SHOULD APPLY	This is an open spot examination for Sacramento County only. Candidates who meet the minimum qualifications as stated below may apply for this examination.
HOW TO APPLY	You must complete and submit the Examination form (STD 678 Rev. 6/2010) by the final filing date, <b>September 14, 2012.</b>  <div><div><b>MAILING ADDRESS:</b> Department of Water Resources P.O. Box 942836 Sacramento, CA 94236-0001</div><div><b>FILE IN PERSON:</b> Department of Water Resources 1416 9th Street, Room 320 Sacramento, CA 95814</div></div> <b>DO NOT SEND APPLICATIONS TO THE Cali OR DEPARTMENT OF WATER RESOURCES' FIELD OFFICES.</b> Applications are available at Department of Water Resources' (DWR) offices, the DWR website: <a href="http://www.water.ca.gov/jobs/currentexams.cfm">www.water.ca.gov/jobs/currentexams.cfm</a> , local office of the Employment Development Department, California Department of Human Resources (Cal HR) and Cal HR website: <a href="http://www.jobs.ca.gov">www.jobs.ca.gov</a> and click on "My Profile."
IDENTIFICATION REQUIRED	Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination.
SPECIAL TESTING ARRANGEMENTS	If you have a disability and need special testing arrangements, mark the appropriate box in Question 2 of the "Application for Examination". You will be contacted to make specific arrangements.
SALARY RANGE	<b>\$8955 – \$9878</b>
ELIGIBLE LIST INFORMATION	An open/spot for Sacramento County eligible list will be established for the Department of Water Resources. The list will be abolished 12 months after it is established unless the needs of the service and conditions of the list warrant a change in this period.
EXAMINATION DATES	The examination will consist of a Qualifications Appraisal Interview. It is anticipated interviews will be held <b>October/November 2012.</b>
REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION	<b>NOTE:</b> All applicants must meet the minimum qualifications for this examination by the final filing date, <b>September 14, 2012.</b>  Qualifying experience may be combined on a proportionate basis if the requirements stated below include more than one pattern and are distinguished as " <b>Either</b> " I, " <b>or</b> " II, " <b>or</b> " III, <b>etc.</b> For example, candidates possessing qualifying experience amounting to 50% of the required time of Pattern I, and additional experience amounting to 50% of the required time of Pattern II, may be admitted to an examination as meeting 100% of the overall experience requirement.  <b>Either I</b>  Two years of experience performing duties equivalent to a Senior Land Surveyor in the California state service.  <b>OR II</b>  Broad and extensive (more than five years) land surveying experience, three years of which would include supervising a major program element of a large surveying operation equivalent in responsibility to the Senior Land Surveyor level in the California state service.
POSITION DESCRIPTION	This is the managerial level of the series. Within the largest surveying programs, incumbents, under administrative direction, plan, organize and direct land, photogrammetry and right of way surveying projects, and provide expert advice to top management on the most critical and complex land photogrammetry and right of way surveying projects. This level will function as the Chief Surveyor for a department or as head of surveys for the department.  <b><i>Position exists with the Department of Water Resources in Sacramento County.</i></b>
EXAMINATION INFORMATION	This examination will consist of a <b>Qualifications Appraisal Interview – Weighted 100.00%.</b> In order to obtain a position on the eligible list, a minimum rating of 70.00% must be attained in the interview. <b>COMPETITORS WHO DO NOT APPEAR FOR THE INTERVIEW WILL BE DISQUALIFIED.</b>

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION

SCOPE OF  
EXAMINATION

Qualifications Appraisal Interview – Weighted 100.00%

In addition to evaluating the competitors' relative abilities as demonstrated by quality and breadth of experience, emphasis in the examining interview will be on measuring competitively, relative to job demands, each competitor's:

- A. Knowledge of:**
- 1. Fundamental surveying, mathematics, and basic science as applied to surveying.
  - 2. Methods of precise survey measuring; use and adjustment of precision surveying instruments.
  - 3. Procedures, equipment, and materials used in surveying, including conventional and state-of- the-art.
  - 4. Mapping and drafting techniques.
  - 5. Mathematics and procedures used in plane and geodetic surveying.
  - 6. Computer applications and usage.
  - 7. The California Coordinate System.
  - 8. Code of Safe Surveying Practices.
  - 9. Photogrammetric mapping procedures.
  - 10. Principles and practices of boundary determination, land title research and surveying.
  - 11. Legal descriptions of real property.
  - 12. Methods and terminology used in searching for land titles and factors involved in determining ownership of property.
  - 13. Real property acquisition and mapping laws pertaining to public and private ownership of real property.
  - 14. Monumentation of facilities.
  - 15. Factors which influence the impact of departmental projects on property and basic net.
  - 16. Right of way engineering projects.
  - 17. Planning, design, construction and right of way procedures and policies as they relate to surveys.
  - 18. The Land Surveyors' Act, Subdivision Map Act and other statutes related to land surveying.
  - 19. Departmental plans, standards, policies and procedures for planning, design, right of way and construction as they relate to surveys.
  - 20. Methods, equipment and materials used in the surveying and mapping of State facilities.
  - 21. Computers and state-of-the-art surveying and related equipment.
  - 22. Principles of effective communications and supervision.
  - 23. A supervisor's role in safety, health and labor relations and the processes available to meet these program objectives.
  - 24. Department's Equal Employment Opportunity objectives.
  - 25. A manager's role in the Equal Employment Opportunity Program and the processes available to meet Equal Employment Opportunity objectives.
  - 26. All phases of surveying performed by the Departments, and principles, techniques of personnel management and supervision.
  - 27. Purposes, organization, policies and procedures of the Departments.
  - 28. System planning.
  - 29. Surveying economics.
  - 30. Factors which influence the impact of the Department's facilities on the environment, the community and the economy.
  - 31. Processes and methods of accomplishing plane, geodetic and photogrammetric surveying and mapping, computers and precision surveying instruments (conventional and state-of-the-art).
- B. Ability to:**
- 1. Perform the less complex field and office surveying work.
  - 2. Make precise survey measurements.
  - 3. Interpret legal descriptions of real property.
  - 4. Make and interpret the less difficult survey calculations.
  - 5. Apply and utilize the principles of the California Coordinate System.
  - 6. Research, analyze, check and adjust survey data.
  - 7. Research and compile evidence and documentation for boundary determination.
  - 8. Assist in the planning, directing and coordinating the work of a group of survey or right of way engineering personnel.
  - 9. Do mapping and drafting.
  - 10. Analyze situations accurately and take effective action.
  - 11. Prepare clear and concise reports and correspondence.
  - 12. Write property descriptions and prepare legal land documents and descriptions.
  - 13. Operate precise surveying instruments (conventional and state-of-the-art).
  - 14. Establish and maintain friendly, business-like relations with those contacted in the course of the work.
  - 15. Communicate effectively both orally and in writing.
  - 16. Perform complex field and office surveying work; make and interpret difficult survey calculations.
  - 17. Plan and direct the work of a survey party.
  - 18. Make necessary corrections and/or revisions to construction plans, under direction of the Resident Engineer, when required to meet field conditions and/or comply with policies and standards.
  - 19. Plan and direct the work of a staff engaged in survey and right of way engineering office work.
  - 20. Plan and direct the work of a staff engaged in resolution of legal property descriptions.
  - 21. Prepare and coordinate the preparation of appraisal maps, deeds and interpretation of legal property descriptions.
  - 22. Prepare clear and comprehensive reports and technical correspondence.
  - 23. Review the work of others for compliance with legal requirements, policies and specifications.
  - 24. Analyze situations accurately and adopt an effective course of action.
  - 25. Effectively contribute to the departmental safety, health and labor relations objectives.
  - 26. Effectively contribute to the department's Equal Employment Opportunity objectives.
  - 27. Evaluate computer hardware and software utilized in land surveying.
  - 28. Evaluate land survey equipment.
  - 29. Plan and direct the work of staff assigned to a variety of surveying related projects in surveys and/or right of way engineering.
  - 30. Administer surveying programs.
  - 31. Plan and direct the work of others.
  - 32. Judge work quality and performance.
  - 33. Evaluate the applicability, apply and direct the use of computers and precision surveying instruments (conventional and state-of-the-art).
  - 34. Prepare technical correspondence and complete, comprehensive reports.
  - 35. Prepare articles for publication.

36. Address an audience effectively.

**VETERANS  
PREFERENCE**

**Veterans Preference** will not be granted in this examination, as it does not qualify as an entrance examination under the law.

**GENERAL INFORMATION**

**The Department of Water Resources** reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service law and rules and all competitors will be notified.

**For any examination** without a written feature it is the candidate's responsibility to contact the Selection Services Section of the Department of Water Resources, (916) 653-4838 three weeks after the final filing date if he/she has not received a progress notice.

**Applications** are available at Department of Water Resources' offices, local office of the Employment Development Department, the State Personnel Board, and the SPB web site: [www.spb.ca.gov](http://www.spb.ca.gov).

**If you meet the requirements** stated on the reverse, you may take this examination, which is competitive. Possession of the requirements for admittance to the examination does not assure a place on the eligible list. Your performance in the examination described on this bulletin is compared to established rating criteria. All candidates who pass will be ranked according to their scores and placed on the eligible list.

**General Qualifications:** Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the classification.

**Examination Locations:** When a written test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant. Ordinarily, qualifications appraisal interviews are scheduled in Sacramento and Los Angeles. However, locations of interviews may be limited or extended as conditions warrant.

**If a candidate's notice** of oral interview fails to reach him/her prior to the day of the interview due to a verified postal error, he/she will be rescheduled upon written request.

**Eligible Lists:** Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) subdivisional promotional, 2) departmental promotional, 3) multidepartmental promotional, 4) servicewide promotional, 5) departmental open, 6) open eligible list. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on this bulletin. In the case of continuous testing examinations, names are merged into the appropriate lists in order of final test scores (except as modified by veterans preference credits) regardless of the date of the test, and the resulting eligible lists will be used only to fill vacancies in the area shown on the bulletin.

**Devices for Communications Impairment**  
TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD Device. TDD: (916) 653-1804; California Relay Service: 1-800-735-2929 (TDD); 1-800-735-2922 (Voice)

**For information** regarding this examination, please contact Brandon Littlejohn at (916) 653-7109.

**O/Spot (Rev. 8/12)**

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